

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1920	345/211\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 16:00
L3	10	1 and (parallel and co \$1planar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 16:01
L4	1	345/204\$.ccls. and (parallel same co\$1planar same perpendicular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 16:03
L5	175	345/204\$.ccls. and (parallel same perpendicular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 16:03
L7	617	driving near3 polarity near5 opposite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:45
L8	12	7 and 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:45
L9	79	row\$1 same column\$1 same comparator\$1 same polarity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:48
L10	846	driving near3 polarity near5 (opposite or reverse)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:50
L11	35	driving near3 polarity near5 (opposite or reverse) same (Row and column)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:50

L12	35	driving near3 polarity near5 (opposite or reverse) same (Row same column)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:54
L13	257	polarity near5 (opposite or reverse) same (Row same column) same alternat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:55
L14	9	13 and 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 17:56
L15	19	perovskites near5 (conductor or line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 18:07
L16	286	perovskite near5 (conductor or line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 18:07
L17	18	16 and (display near2 device)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 18:07
L18	3	perovskite same (conductor near3 line)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 18:08
S1	1	"10529114"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 08:08
S2	10	("3937876"   "3945003"   "4042920"   "5659371"   "5999307"   "6307663"   "6525483"   "6628273"   "6653997"   "6956332"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 08:08
S3	2	unipixel\$.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 09:55

S4	0	(in\$1line near3 impednace) same (dive near3 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 10:35
S5	1	(in\$1line near3 impedance) same (driv\$4 near3 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 10:36
S6	15	(in\$1line near3 impedance) and (driv\$4 near3 voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 10:36
S7	473	(matrix near3 display) and (impedance near5 (high and low))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 10:38
S8	379	(matrix near3 display) and (conductive near3 line\$1) and (plane same parallel)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 11:06
S9	8823	sequential\$3 near5 (select \$4 or activat\$3) near4 (row \$1 or line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 11:11
S10	1918	345/211\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 11:12
S11	121	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 11:12
S12	34801	(low near3 impedance) same (high near3 impedance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 11:34
S13	22	S12 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/19 11:34

S14	2217	gate near3 driver\$1 with switch\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/20 11:39
S15	195	(gate near3 driver\$1 with switch\$1) same (impedance or resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/20 11:40
S16	8717	((data or column) near3 driver\$4 with voltage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/20 11:44
S17	247	((gate or row) near3 driver\$1 with switch\$1) same (impedance or resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/20 11:44
S18	36	S16 and S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/20 11:44
S19	5249	(scan near3 line\$1) with (impedance\$2 or resistance \$2 or resistor\$1 or capacitor\$1 or transistor \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:39
S20	2145	345/100\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:40
S21	174	S19 and S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:40
S22	1919	345/211\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:40
S23	103	S19 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:40

S24	40097	((scan\$3 or row or control) near3 line\$1) with (impedance\$2 or resistance\$2 or resistor\$1 or capacitor\$1 or transistor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:50
S25	30370	((scan\$3 or row or control) near3 line\$1) near8 (impedance\$2 or resistance\$2 or resistor\$1 or capacitor\$1 or transistor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:51
S26	158	S25 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:51
S27	129	perovskites near3 doped	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 13:58
S28	1	("2006/0238443").URPN.	USPAT	ADJ	OFF	2009/02/24 13:58
S29	580	(row near3 line\$1) near5 (impedance or sesistor or resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 14:07
S30	102356	"345"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 14:07
S31	77	S29 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 14:07
S32	15	(row near3 line\$1) same (apply\$3 near3 (impedance or sesistor or resistance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 14:18
S33	15	((row or scn\$1) near3 line\$1) same (apply\$3 near3 (impedance or sesistor or resistance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 14:18

S34	29	((row or scan\$1) near3 line \$1) same (apply\$3 near3 (impedance or sesistor or resistance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/24 14:18
S35	1	"5319491".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/25 18:45
S36	159046	(row\$1 or line\$1) near5 (impedance or resistor or resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/25 18:47
S37	1919	345/211\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/25 18:47
S38	215	S36 and S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/25 18:47
S39	0	(perovskites near3 doped) near5 material same resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/26 11:08
S40	4	(perovskites near3 doped) near5 material	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/26 11:08
S41	2	(perovskites near3 doped) near5 resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/26 11:08
S42	14	(perovskites near3 doped) same resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/26 11:08
S43	1920	345/211\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 11:06

S45	32	S43 and (memory same processor same input same bus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 11:07
S47	5399	time same short same long same threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:29
S48	3	S43 and S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:29
S49	4127	345/204\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:30
S50	7	S47 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:30
S51	6657	cycle near3 time near5 short	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:31
S52	0	S51 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:32
S53	2	S51 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:32
S54	242	(time near5 charg\$4 near5 short) same pixel\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:33
S55	35	(time near5 charg\$4 near5 short) same pixel\$1 same discharg\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:34

S56	9283	field near5 reversed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:40
S57	8	S56 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:40
S58	1660	polarity near5 field near5 reversed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:41
S59	3204	polarity near5 field near5 reverse\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:41
S60	8	S59 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:41
S61	18	(polarity near5 field near5 reverse\$2) same cyclic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:42
S62	25904	material same resistance near5 chang\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:46
S63	4	S62 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:46
S64	1020	conductive near3 line\$3 near8 material same resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:47
S65	2	S64 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:48



S66	47	conductive near3 line\$3 near8 material same resistance near5 chang\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:49
S67	47	(conductive near3 line\$3 near8 material) same (resistance near5 chang \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:49
S68	14	(perovskites near3 doped) same resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 12:52
S69	18116	column\$2 near5 (divided or grouped)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:22
S70	20	S43 and S69	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:22
S71	44053	column\$2 near5 (divided or group\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:23
S72	55	S71 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:23
S73	293	column\$2 near5 (divided or group\$4) near5 half	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:25
S74	5358	column\$2 near5 (divided or group\$4) near5 (half or two)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:25
S75	31	S74 and S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:25

S76	9	S74 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:25
S77	547	column\$2 near5 (divided or group\$4) near5 (half or two) same equal\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:27
S78	47	conductive near3 line\$3 near8 material same resistance near5 chang\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:41
S79	116	display same ((control or column or row or gate or data) near4 line\$2) near5 material\$2 near8 resistance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:43
S80	1	display same ((control or column or row or gate or data) near4 line\$2) near5 material\$2 near8 resistance same chang\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:48
S81	21	((control or column or row or gate or data) near4 line \$2) near5 material\$2 near8 resistance same chang\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	ADJ	OFF	2009/02/27 13:48

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